Table 1: SalesPeople

Snum is Primary key

Sname is Unique constraint

Snum Sname City Comm

1001 Peel. London .12

1002 Serres Sanjose .13

1004 Motika London .11

1007 Rifkin Barcelona .15

1003 Axelrod Newyork .10

In [ ]:

create database **if** **not** exists company;

use company ;

create table **if** **not** exists SalesPeople(

Snum int (10) **not** null,Sname char(20) unique ,

City varchar (20) **not** null default ' ',

Comm int unsigned **not** null default 00,

primary key(Snum)

);

desc SalesPeople;

insert into SalesPeople values

(1001,'Peel','London',12),

(1002,'Serres','Sanjose',13),

(1004,'Motika','London',11),

(1007,'Rifkin','Barcelona',15),

(1003,'Axelrod','Newyork',10)

;

select **\*** **from** SalesPeople ;

In [ ]:

Table 2: Customers

Cnum is Primary Key

City has not null constraint .

Snum is foreign key constraint refers Snum column of SalesPeople table.

Cnum Cname City Snum

2001 Hoffman London 1001

2002 Giovanni Rome 1003

2003 Liu Sanjose 1002

2004 Grass Berlin 1002

2006 Clemens London 1001

2008 Cisneros Sanjose 1007

2007 Pereira Rome 1004

In [ ]:

create table **if** **not** exists Customers (

Cnum int **not** null,

Cname varchar(25) **not** null,

City varchar (25) **not** null,

Snum int (10) **not** null,

primary key(Cnum),

foreign key (Snum) references SalesPeople(Snum)

);

desc Customers;

insert into Customers values

(2001,'Hoffman','London',1001),

(2002,'Giovanni','Rome',1003),

(2003,'Liu','Sanjose',1002),

(2004,'Grass','Berlin',1002),

(2006,'Clemens','London',1001),

(2008,'Cisneros','Sanjose',1007),

(2007,'Pereira','Rome',1004);

In [ ]:

Table 3: Orders

Onum is Primary key

Cnum is foreign key refers to Cnum column of Customers table. Snum is foreign key refers Snum column of SalesPeople table.

Onum Amt Odate Cnum Snum

3001 18.69 3-10-1990 2008 1007

3003 767.19 3-10-1990 2001 1001

3002 1900.10 3-10-1990 2007 1004

3005 5160.45 3-10-1990 2003 1002

3006 1098.16 3-10-1990 2008 1007

3009 1713.23 4-10-1990 2002 1003

3007 75.75 4-10-1990 2004 1002

3008 4273.00 5-10-1990 2006 1001

3010 1309.95 6-10-1990 2004 1002

3011 9891.88 6-10-1990 2006 1001

On the basis of above tables perform given below questions

Count the number of Salesperson whose name begin with ‘a’/’A’. Display all the Salesperson whose all orders worth is more than Rs. 2000. Count the number of Salesperson belonging to Newyork. Display the number of Salespeople belonging to London and belonging to Paris. Display the number of orders taken by each Salesperson and their date of orders.

In [ ]:

create table **if** **not** exists Orders (

Onum int **not** null,

Amt decimal (7,2) **not** null,

Odate date **not** null default '00-00-0000' ,

Cnum int **not** null,

Snum int **not** null,

primary key(Onum),

foreign key(Cnum) references Customers(Cnum),

foreign key(Snum) references SalesPeople(Snum)

);

**--**drop table Orders;

desc Orders;

insert into Orders values

(3001,18.69,'1990-10-03',2008,1007),

(3003,767.19,'1990-10-03',2001,1001),

(3002,1900.10,'1990-10-03',2007,1004),

(3005,5160.45,'1990-10-03',2003,1002),

(3006,1098.16,'1990-10-03',2008,1007),

(3009,1713.23,'1990-10-04',2002,1003),

(3007,75.75,'1990-10-04',2004,1002),

(3008,4273.00,'1990-10-05',2006,1001),

(3010,1309.95,'1990-10-06',2004,1002),

(3011,9891.88,'1990-10-06',2006,1001)

;

Select **\*** **from** Orders;

select count(Sname) **from** SalesPeople where Sname like '^A' **and** '^a' ;

select Snum **from** Orders group by Snum having sum(Amt)**>**2000 ;

select count(Sname) **from** SalesPeople where City like 'Newyork' ;

select count(Sname) **from** SalesPeople where City like 'London' **or** City like 'Paris';

use company;

select Snum,Odate,count(**\***) **from** orders group by Odate,Snum ;